## Un Essay

on the

Pathology of the Trymphatics

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The Cymphatic vessels, (or absorbents as they are sometimes Styled & receive their name from a greek word sig-mifying water, from the watery or limited fluid which they convey! They are very minute and dellicate, remarkable for their uniformity of size, a knotted appearance, and their

frequent division into They have a structure according to Holliker, similar to that of the verys, viz, an external, middle, and internal coat, ar timic, within which the circulation is performed by the aid of numerous valves, (which give to the vessels their peculiar knotted appearance, similar to the circulation in the venous system Connected with the circulatory system of the lymphatic vessels, are

numerous small oval ar rounded bodies, of a pale red color, called lymphatic or conglobate glands, which are composed of a remification of minute lymphatic and capillary blood vessels held together, and enclosed by a comparatively dense mass of areola tisue Twing to their extreme minuterness ( with the exception perhaps of the thoracic duct the study of the Sathology of the lymphatic system is ex-. tremely difficult and mosatisfactory, especially

of the superficial vessels, with these few introductory remarks we will proceed of the special Pathology of the lymphatic system, which will be considered under the several heads of, Inflamation, Gangrene, Hypertrophy, Dilatation, Inbercle, Carcinoma, Melanosis, de, First Inflamation Like other inflamation, inflamation of the lymphalies is characterized by pain, redness, heat, and swelling along the course

of the inflamed vessel, The color of the coats of the vessel in the simple, and commencement of the more serious farms, is of a light reddish tint Resolution is the most frequent and favorable form of termination! but sametimes the color changes to a violet or more commonly to a deep red, or purple color; and as the inflamation advances, the proper nutrient vessels become engarged with bload, the surrounding arcola tisue becomes involved,

have the formation of an abscess Mus is also sometimes found in a vessel as a fareign substance, by mere absorption from an abscess in the immediate vienity Acute inflamation in the glands is of very common occurrence, In these cases the gland enlarges, sometimes as large as a large orange, and very aften terminates in suppuration; as far instance in the inquinal and axillary regions

Second Gangrene Acute inflamation also sometimes terminates in gangrene, when immense slough's are formed, as in cases of syphelitic buboes, occurring in debanched and warn-out habits Third Hypertrophy Hypertrophy of the lym-phatic glands is sometimes the result of chronic inflamation! sometimes the primary cause is seated in their own time, and sometimes it may arise from an iritation

communicated to them from the surrounding tisnes, viz, in the mesenterie glands from an intation in the bowels, in the axillary glands, from an witation in the breast, in the inquiral glands, from an iritation in the penis, be. In these conditions their color is various as white, grey, or of a yellowish at brownish tint, sametimes of a dense or gristly hardness, grating sensibly under the knife Sometimes in this

condition they so obstruct the process of nutrition as to cause emaciation and death; and Dr. William Hunter mention an instance in which the internal reliace glands were so enlarged, as to cause death by preventing the descent of the childs head during the process of parturition Fourth Dilatation A remarkable dilatation of the lymphatie vessels is sometimes

observed, giving then a varicase ar tartnous arrangement, and the resulting turnors when examined present a sprongy appearance, the size of all the vessels being enlarged, not unlike the varieose arrangement of the venous system Fifth Inbercle Of all parts of the human system, few are, perhaps, mare hable to the deposition of Inberentory matter, than the lymphatic glands

It is deposited in the gland substance in yellowish masses and hable to all the changes that tubercular deposition elsewhere undergoes, and in one instance in my dissections I abserved that the glands of the axilla were converted completely ento a calcareous substance tubercular matter having been deposited cretifica. Children are particularly prone to a glandulans tubercular deposit Dr Lambard found

that of one hundred post morten examinations of tuberculous children, the several glands were affected as fallows, viz. bronchial, eighty seven, mesenterio, thirty one, cervical, seven, and inguinal, three, Sixth Caremona There is probably no part of the human economy so hable to the deposition of secondary cancerous deposits, as that of the lymphalie glands, The reason

of this is abvious, In cases of curculary habits, the cancer blastema may be absorbed from the affected organ, transfered by the lymphatics to a gland in the vicinity, there becoming entangled in the mounte rumifications of the vessels, thus as it were becoming the exciting cause of a fresh deposition of concerous matter in the new location; and in this way I think we may account for some farmy of cancerous

Cachexia especially in the Leventh Melanosis Melanosis is sometimes an affection with which the glandular system is aften complicated, more especially those which are in class proximity to the respia morbid process of speaking, a proof of the depuratory powers

of the glands by which they assist in the purification of the blood There are also other pathological conditions of the lymphatic system, but as they are of minor importance, and as time and space will not permit me to enlarge, I will clase, hoping these fem, brief notices, will suffice the abject for which they were written